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STATE OF COLORADO



1955

ANNUAL REPORT

COAL MINE INSPECTION DEPARTMENT

STATE OF COLORADO



1955



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COAL MINE INSPECTION DEPARTMENT

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LETTER OF TRANSMITTAL

April 1, 1956

To His Excellency
EDWIN C. JOHNSON
Governor of Colorado

Sir:

It is an honor to submit to you the Annual Report of the State Coal Mine Inspection Department of Colorado, for the year ending December 31, 1955.

Respectfully,

THOMAS ALLEN,
Chief Inspector of Coal Mines

PERSONNEL OF DEPARTMENT

CHIEF INSPECTOR -

THOMAS ALLEN, 1221 Washington Street, Denver 3
Telephone - KEystone 4-8054

DEPUTY INSPECTORS - Counties within each district.

Dist. #1 - FINLAY McCALLUM, 4635 Eliot Street, Denver 11
Boulder, El Paso, Jackson, Jefferson, Moffat,
Rio Blanco, Routt and Weld.

Dist. #2 - GEORGE H. SMITH, 1110 Macon Avenue, Canon City
Fremont, Gunnison (Crested Butte area),
Huerfano and Las Animas.

Dist. #3 - JOHN J. RODDY, 1404 White Avenue, Grand Junction.
Archuleta, Delta, Garfield, Gunnison (Somerset
area), La Plata, Mesa, Montezuma, Montrose,
Pitkin and San Miguel.

GENERAL OFFICE

Administrative Assistant	Veda Burford 1610 Magnolia St., Denver 20
Account Clerk	Evelyn Miller 3915 Xavier St., Denver 12
Clerk-Stenographer	Rose Maxine Canaday Erie

OFFICE ADDRESS - Argonaut Hotel, Denver 2

OFFICE TELEPHONE - KEystone 4-6485

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INTRODUCTORY REMARKS BY CHIEF INSPECTOR

The increase of 444,125 tons of coal mined in Colorado during 1955 is encouraging after the low peak in the 1954 production.

Some progress is being made toward the development of proposed chemical plants within the State, and at this time, two electric generating plants are in the process of construction. One of these plants is being built a few miles north of Denver; the other is near the Cameo Mine about 18 miles east of Grand Junction.

There is a definite possibility that more electric generating plants will be built in other parts of the State in the near future because of the rapid increase in the demand for electricity.

Through the efforts of the Colorado Coal Committee, the United States Senators Eugene D. Millikin and Gordon Allott, Colorado received special consideration in being able to cope with prohibitive freight rates, for competitive bidding in coal to be exported. As a result of exhaustive contacts, the C. F. & I. sales department submitted the successful bid to furnish two cargoes of coal, @ 10,000 short tons each, to be shipped to Korea. This bituminous coal which was produced from the Harris, Edna Strip and Osage Strip Mines in Routt County is the first record of any cargoes of coal to be shipped overseas from the State of Colorado.

Examinations conducted for Coal Mine Officials in 1955 were not attended by a sufficient number to supply the increased demand for officials. A list of the successful candidates of last year is on page 30 of this report.

There is an increasing need for an educational program for miners who plan to become officials, as there is a noticeable shortage of certified men. Arrangements should be made for local classes for the study of practical coal mining subjects and safe methods of performance in preparation for examination.

The following amendments to the State Coal Mining Laws, as briefly outlined, were adopted by the State Legislature, effective April 15, 1955:

Section 28 - Shot Firers to have at least one year of experience in coal mines and a minimum age of 21 years. Must show a

knowledge of explosives and preparation for handling; the use of the flame safety lamp; and proper ventilation practices.

Section 31 (a) - Any certificate of competence not used for five years shall expire and become null and void.

Section 85 (a) (3) - Where coal is sheared or cut, shots shall not be fired if the blast hole is drilled beyond the limits of the cut.

The C. F. & I. Corp., employing 1,186 men in their three mines in Las Animas County, completed the year with almost 100% training in Accident Prevention and First Aid to the Injured. These mines also appear on the Honor Roll of Safety for the year.

HONOR ROLL FOR 1955

50,000 or more man-hours per injury

<u>Name of Mine</u>	<u>Company</u>	<u>County</u>	<u>Fatals</u>	<u>Non-Fatals</u>	<u>Man Hours Per Injury</u>
Frederick	C. F. & I. Corp.	Las A.	0	2	465,947
Eagle	Imperial Coal	Weld	0	0	136,681
B. Val. #3/Baum	Boulder Valley	Weld	0	1	77,237
Somerset	MineralsDev. Corp.	Gunn.	0	2	67,985
Allen	C. F. & I. Corp.	Las A.	0	12	63,096
Morley	C. F. & I. Corp.	Las A.	0	5	58,955
Bear	Bear Coal	Gunn.	0	0	58,705
Sterling	McNeil Coal Corp	Weld	0	1	56,013
Red Wing	Colowyo Coal	Moff.	0	0	54,899

HONORABLE MENTION

Lincoln	Clayton Coal	Weld	0	0	34,180
Hawk's Nest	Champion C. Mng.	Gunn.	0	0	33,537
King	Juanita C. & C.	Delta	0	0	32,025
Washington	Clayton Coal	Weld	0	4	31,429
Thompson Crk. #3	Thomp. Crk. C & C	Pit.	0	1	30,732
Delcarbon	Delcarbon Coal	Huerf.	0	1	30,695
Harris	Colo. & Utah	Routt	0	4	29,089
Cameo	Kerr Coal	Mesa	0	0	23,418

SUMMARY OF FIELD WORK

Number of Inspections	598
Coroner's Inquests attended	10
Complaints investigated	14
Prosecutions	2
Mines closed for violations	11
Examinations for Shot Firers	54

FINANCIAL STATEMENT FOR THE CALENDAR YEAR

RECEIPTS

Cash balance January 1, 1955		\$ 3,137.10
Coal Tax and license fees	\$29,681.47	
Miscellaneous Sales & Rentals	253.50	
Appropriation from General Fund	19,273.26	
Total		<u>49,208.23</u>
		\$52,345.33

EXPENDITURES

Salaries - Field & Office	35,458.40	
Travel - Hotels, Meals, Gas, etc.	5,216.98	
Rent - Field & Office	2,916.05	
Capital Outlay - cars	2,302.74	
Workmen's Compensation	1,112.00	
Telephone & Telegraph	1,094.43	
Office Supplies & Repairs	933.14	
Printing, Bonds, Insurance, etc.	<u>630.47</u>	
Total		<u>49,664.21</u>
Cash balance January 1, 1956		\$ 2,681.12

THOMAS ALLEN

Chief Coal Mine Inspector

GENERAL SUMMARY OF THE COLORADO COAL STATISTICS FOR 1955

MINES REPORTING PRODUCTION - Underground - 143		Strip pits - 7	150
PRODUCTION IN SHORT TONS - (Increase over 1954 - 444,125)			3,366,490

GRADES

	<u>SIZES</u>		
Bituminous	2,632,295	Mine Run	463,262
Sub-Bituminous	734,195	Lump	265,698
		Nut	125,069
		Egg	206,616
		Pea	1,233,920
		Slack	1,019,825
		Miscellaneous	52,100

TONNAGE BY MINING METHODS

<u>MINED</u>	- Electric undercutting machines	2,193,479
	Solid pick	647,864
LOADED	- Mechanically, using no or very little hand labor	1,886,849
	Hand-loaded onto mechanical loaders	251,717
	Hand-loaded into pit cars	702,777
CUT AND LOADED BY CONTINUOUS MINING MACHINES		166,247
STRIPPED - OPEN PITS (7)		358,900

SHIPMENT AND DISPOSAL

Shipped by rail	2,420,163	Shipped out of the state	474,814
Shipped by truck	896,918	Locally or power & heat at mines	49,409

MEN EMPLOYED (Average number)	Underground--2,239	Surface--492	Strips 103.4
DAILY PRODUCTION PER MINER			
DAYS WORKED (Average number per mine)			
UNDERGROUND MECHANICAL & ELECTRIC EQUIPMENT	- See Pages 27, 28		
MINING MACHINERY - Electric:	Undercutting - 296	Shearing - 1	
	Combination - 10	Drills - 332	

MECHANICAL LOADERS - Shakers	- 176	Mainline conveyors	- 27
Mobile	- 48	Chain conveyors	- 28
Power shovels	- 1	Portable conveyors	- 3

CONTINUOUS MINING MACHINES - Undercutting & loading - 5

HAULAGE MACHINERY - Locomotives: Electric trolley - 98 Electric battery - 58
 Hoists: Electric -120 Compressed air - 1
 Shuttle cars - 63

LAMPS: Flame safety - 499

Electric cap - 4,411

STRIP MACHINERY & EQUIPMENT

Bulldozers - 8	Drag lines - 3	Power shovels - 3
Caterpillars - 4	Drills - 6	Scarifiers - 2
Compressors - 3	Jackhammers - 8	Tractors - 5
	Loaders - 1	Trucks - 18

EXPLOSIVES (Pounds)

Underground mines	Permissible	Dynamite	Cardox	Airdox	
Strip mines	693,346	15,530	19 Mines	4 Mines	708,876
	15,955	146,529	Special	127,600	290,084
	709,301	162,059		127,600	998,960

SURFACE & MISCELLANEOUS

Hoists: Gas	-21	Steam	- 5	Electric	- 67	93
Tipples: Gravity	-56	Mechanical	-68			124
Ventilation fans: Exhaust	-94	Force	-22			116
Coal washing plants	- 3	Steam plants	-18	Box car loaders	- 50	
Pumps: Electric	-240	Compressed Air	-13	Bath houses & showers	-515	
Air compressors: Underground	-28	Surface	-17	Rock dusting machines	- 43	
Telephones	-216			Battery charging stations	- 46	

SAFETY EQUIPMENT: Self-rescuers -250 Oxygen breathing apparatus (McCaa & Chemox) -48

GENERAL INFORMATION

Shaft mines - 9	Rock slopes - 31	Rock tunnels - 11	Drifts - 95
Number of mines: On railroads - 31	Roof-bolted		- 15
Tons of coal chemically treated - 239,921	Tons of washed coal		- 7,786

ACCIDENTS - See page 29

Total number: Fatalities - 8 Non-Fatals - 85

D I R E C T O R Y

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Aguilar Imperial	Trinidad	Aguilar-Imp.	Same	Las A.
Annex Coal	Florence	Annex	"	Fremont
Aztec Fuel	Walsenburg	Caddell #2	"	Huerfano
Babson Coal	Hayden	Babson	"	Routt
Baldy Coal	Trinidad	Baldy #1	"	Las A.
Barnell, George M.	Walden	Marr	Same	Jackson
Barnell, George M.	Walden	Marr Strip	"	"
Bear Coal	Somerset	Bear	"	Gunnison
Beer Coal & Const.	Florence	Beer Strip	"	Fremont
Bellino, Frank	Pagosa Springs	Bellino	"	Archuleta
Bendetti, Henry	Glenwood Spgs.	Atlas #3	Same	Garfield
Berwind Canon Coal	Trinidad	Berwind Canon	"	Las A.
Berwind Mining	Weston	Lovato #2	"	"
Bisulco, Alex	Aguilar	Bisulco	"	"
Black Beauty Coal	Walsenburg	Black Beauty	"	Huerfano
Black Diamond Fuel	Lafayette	Black Diam. #2	Same	Boulder
Black Knight Coal	Florence	Black Knight #2	"	Fremont
Blue Blaze Coal	Walsenburg	Blue Blaze	"	Huerfano
Blue Ribbon Coal	Cedaredge	Blue Ribbon	Bowie	Delta
Boscia Coal	Oak Creek	Apex	Same	Routt
Boulder Valley Coal	Denver	Bo. Val. #3-Baum	Dacono	Weld
Brodhead Coal	Trinidad	Brodhead #2	Aguilar	Las A.
Brooks, Ira T.	Cedaredge	Green Valley #2	Same	Delta
C. F. & I. Corp.	Pueblo	Allen-E. Portal	Weston	Las A.
C. F. & I. Corp.	"	Allen-W. Portal	"	"
C. F. & I. Corp.	Pueblo	Frederick	Valdez	Las A.
C. F. & I. Corp.	"	Morley	Morley	"
Caldirola Fuel	Florence	Caldirola #2	Same	Fremont
Canon Blk. Diam. Coal	"	Can. Blk. Diam.	"	"
Canon Chief Mining	"	Canon Chief	"	"

RAILROADS - OPENINGS - SEAMS - PRODUCTION

Superintendent	R. R.	Daily Cap.	OPENINGS				SEAM			TONS
			Shaft	Rock	Rock/	Drift	Ft-In/	Pitch		
			Depth	Slope	Tunnel				%-	
Length										
Robert Fabec	-	25	-	-	-	x	5	6	6%	3,268
Nickie Rocchio	-	50	-	2,000	-	0	6		4 ⁰	4,609
Ygnacio Ruiz	-	5	-	-	-	0	4	10	4 ⁰	583
Shirl Prewitt	-	2	-	1,500	-	0	10		10%	132
E. W. Meggison	-	30	-	200	-	0	5		-	6,884
Geo. M. Barnell	-	10	-	-	-	0	50)		48 ⁰)	922
Geo. M. Barnell	-	20	S T R I P))	1,329
Tony Bear	D&RG	430	-	-	-	x	8		4%	54,976
Lloyd J. Beer	-	75	S T R I P				3	6	6%	7,380
Frank Bellino	-	3	-	-	-	x	3	4	2 ⁰	93
H. Bendetti	-	10	-	-	-	x	4		48 ⁰	23
E. Simola	-	10	-	-	-	x	4		8 ⁰	1,074
John Lovato	-	6	-	144	-	0	5		8 ⁰	233
Alex Bisulco	-	7	-	-	-	x	4		6 ⁰	73
Steve Tellari	-	7	-	-	-	x	3	9	4%	1,315
Chas. Liley	-	150	268	-	-	0	6		-	11,849
C. Alvidrez	-	5	-	-	-	x	3		3 ⁰	952
A. Amiday, Sr.	-	25	-	-	-	x	3	6	5%	1,928
J. Minerich	-	25	-	50	-	0	6	6	4%	4,370
Angelo Boscia	-	10	-	-	-	x	4	6	6%	614
Thomas Harris	UP	1,000	240	-	-	0	7		-	76,291
Sam Vasquez	-	100	-	-	-	x	4	6	4 ⁰	2,830
Ira T. Brooks	-	50	-	150	-	0	5	6	4%	6,658
L. W. Ingles	C&W	3,000)	-	1,578	-	0	5	2-30%		568,720
L. W. Ingles)	-	-	-	x	5	2-30%		
F. C. Bennett	C&W	2,300	-	-	-	x	4-5		-	352,795
J. W. Bodycomb	ATSF	800	-	-	-	x	5		2%	146,654
Jesus Jimenez	-	50	-	480	-	0	4	6	3%	7,783
Frank Yellico	-	75	-	-	-	x	6	7	6%	27,812
Louis Dussart	-	75	-	200	-	0	6	6	6 ⁰	12,709

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Canon Monarch Coal	Florence	Pine Gulch #3	Same	Fremont
Canon National Coal	"	Canon National	"	"
Cardenas & Prado	Mancos	Cherry Creek	"	La Plata
Cason, Vernon	Durango	Blue Flame	Hesperus	" "
Champion Coal Mng.	Somerset	Hawk's Nest	Same	Gunnison
Chandler Coal	Canon City	Chandler #2	Same	Fremont
Chandler Creek Coal	Florence	Chandler Creek	"	"
Cimino, Nick	Trinidad	Starkville #7	Starkville	Las A.
Clark Coal	Somerset	Edwards	Same	Gunnison
Clarke Coal	Palisade	Winger	"	Mesa
Clayton Coal	Denver	Lincoln	Erie	Weld
Clayton Coal	"	Washington	"	"
Coal Creek Can. Mng.	Florence	Coal Creek Can.	Same	Fremont
Coles, W. E.	New Castle	New Castle	"	Garfield
Colo. & Utah Coal	Denver	Harris	Mt. Harris	Routt
Colowyo Coal	Denver	Red Wing	Axial	Moffat
Commander, The Mines	"	Comm.Strip #1	Hayden	Routt
Commander, The Mines	"	Comm.Strip #3	Oak Creek	"
Conda, Leonard R.	Boulder	New Gorham	Superior	Boulder
Corley Co., The	Colorado Spgs.	Corley #6	Florence	Fremont
Crane, LeRoy R.	Bayfield	Columbine	Same	Archuleta
Delcarbon Coal	Walsenburg	Delcarbon	"	Huerfano
Double Dick Coal	Florence	Double Dick	"	Fremont
Dry Creek Coal	Hayden	Crow Bar	"	Routt
Eagle Head Coal	Grand Junction	McGinley	"	Mesa
Edna Coal	Denver	Edna Strip	Oak Creek	Routt
Ellis Coal	Somerset	Black Beauty	Same	Gunnison
Fogg, Lyndon H.	Cedaredge	Red Canon #1	"	Delta
Franceville Coal	Colorado Spgs.	Francev. Strip	"	El Paso
Franklin, Leo	Trinidad	Burro Canyon #3	"	Las A.

Superintendent	R. R.	Daily Cap.	OPENINGS				SEAM		TONS	
			Shaft	Rock	Rock /	Drift	Ft-In/	Pitch		
			Depth	Slope	Tunnel					
Lloyd J. Beer	-	50	-	-	-	x	4	6	8%	3,551
Edmund Jermance	-	150	-	-	375	0	6		7°	25,799
A Cardenas	-	3	-	-	-	x	5		-	43
Vernon Cason	-	15	-	-	-	x	6		5%	2,661
Ralph Audin	-	300	-	300	-	0	8		2%	44,862
Chas. Silengo	-	7	-	705	-	0	3		4%	415
Glen Godfrey	-	20	-	300	-	0	3	10	5%	1,351
Nick Cimino	-	8	-	-	-	x	4		-	460
McLain O'Connor	D&RG	100	-	-	-	x	8	6	-	12,757
R. M. Clarke	-	8	-	-	-	x	4	6	5%	836
W.B. Ferguson	UP	2,000	-	1,800	-	0	10		-	57,433
John Stevens	UP	1,500	430	-	-	0	9		-	160,758
Steve Kopic	-	35	-	700	50	0	5		6%	8,333
W. E. Coles	-	50	-	-	400	0	42		48%	1,760
Louis LaSalle	D&RG	1,500	-	200	300	0	9	3	18%	97,006
Ernest Todd	-	600	-	125	-	0	23		2%	100,556
Louis Ciani	-	20		S T R I P			13		4°	1,041
Gunnar Carlson	-	130		S T R I P			3	4	6°	4,709
Leonard Conda	-	5	-	-	-	0	6		27%	95
T. E. Shelnutt	ATSF	200	-	500	-	0	4		8%	26,296
LeRoy R. Crane	-	2	-	-	-	x	12		50°	260
George Sudar	D&RG	500	-	700	-	0	5		3%	16,847
Joe Rohar	-	100	-	-	-	x	5	6	-	13,758
Edward Lasnik	-	250	-	300	-	0	8		12%	30,115
Willard C. Lutz	-	10	-	-	-	x	7		-	2,879
A. R. Ross	D&RG	1,500		S T R I P			4		6°	162,863
Ellis Axelson	-	70	-	-	-	x	10	6	4%	10,836
L. H. Fogg	-	30	-	300	-	0	4	6	6%	3,900
L. F. Gordley	-	50		S T R I P			8		-	4,797
Leo Franklin	-	3	-	-	-	x	5	6	-	94

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Franklin & Son	Trinidad	Rainbow	Same	Las A.
Garcia, Joe M. & D.	Trinidad	Anchor #2	"	"
Giuliano & Sons Coal	Florence	Cedar Canon	"	Fremont
Golden Quality Coal	Florence	Golden Qual. #3	"	"
Guadagnoli Brothers	Trinidad	Engleville	"	Las A.
Guiliano Coal	Aguilar	Gem	Same	Las A.
Haas Coal	Rifle	I. H. I. #2	"	Garfield
Haas Coal	"	I. H. I. #3	"	"
Halcumb, Claud O.	Fruita	Hunter	"	Mesa
Hay Gulch Coal	Hesperus	Hay Gulch #2	"	La Plata
Henderson, J. B.	Hesperus	Coal King #2	Same	La Plata
Hicks, Ernest	Grand Junction	Hidden Treasure	"	Mesa
Hinkle Coal	Gunnison	Hinkle	"	Gunnison
Imperial Coal	Denver	Eagle	Erie	Weld
Imperial Coal	"	Imperial	"	Weld
Iuppa, Albert	Trinidad	Starkville #4	Starkville	Las A.
Jenkins & Mathis	Meeker	Rienau	Same	Rio Blanco
Juanita Coal & Coke	Bowie	King	"	Delta
Keck, W. R.	Norwood	Keck-Reliance	"	San Miguel
Kerr Coal	Cameo	Cameo	"	Mesa
Keystone Mng. Corp.	Oak Creek	Keystone	Same	Routt
Leader Coal	Sopris	Leader #2	"	Huerfano
Liberty Mining	Canon City	Canon Liberty	"	Fremont
Lovisone & Colarelli	Canon City	L. & C. #2	"	"
Major Coal	Walsenburg	Major #2	"	Huerfano
Marion Coal	Glenwood Spgs.	Marion-Kilroy	Same	Garfield
Martinez, Albert	Cokedale	Martinez	"	Las A.
Mathews, John	Oak Creek	Johnnie's	"	Routt
Mays, William E.	Hesperus	Burnwell #2	"	La Plata
McNeil Coal Corp.	Denver	Sterling	Dacono	Weld

Superintendent	R. R.	Daily Cap.	OPENINGS				SEAM		TONS	
			Shaft	Rock	Rock/	Drift	Ft-In/	Pitch		
			Depth	Slope	Tunnel	Length			%-°	
M. Franklin	-	2	-	-	-	-	-	-	17	
Joe M. Garcia	-	3	-	-	-	x	6	6	80	
Mike Giuliano	ATSF	60	-	-	-	x	6	2%	14,164	
D. Carestia	-	10	-	-	-	x	4	8°	4,160	
C. Guadagnoli	-	15	-	-	-	x	8	-	2,894	
L. Guiliano	-	10	-	1,600	-	0	3	1%	2,395	
Wm. Haas, Jr.	-	30	-	-	-	x	10	56°	8,365	
Wm. Haas, Jr.	-	30	-	-	-	x	10	56°	9,473	
C. O. Halcumb	-	10	-	-	-	x	6	6	8°	867
W. C. Hunt	-	10	-	-	-	x	5	10	3°	2,215
J. B. Henderson	-	7	-	-	-	x	6	3%	1,077	
Ernest Hicks	-	25	-	-	-	x	3	10°	2,119	
James C. Harris	-	10	-	-	-	x	9	8%	758	
Frank Kolar	UP	1,500	370	-	-	0	9	1½%	227,921	
Frank Kolar	UP	900	300	-	-	0	10	6	-	17,411
Albert Iuppa	-	7	-	-	-	x	4	-	1,061	
Wm. Jenkins, Jr.	-	30	-	-	-	x	20	18°	5,553	
Robert F. Bowie	D&RG	200	-	-	-	x	14	8%	25,922	
W. R. Keck	-	2	-	-	-	x	2	4	-	56
W. M. Kerr, Jr.	D&RG	300	-	500	-	0	6	7%	27,937	
Charles Reese	D&RG	500	-	-	-	x	5-9	8°	44,550	
C. E. Langowski	-	10	-	-	-	x	3	7%	2,239	
Tony J. Smith	-	35	-	-	-	x	3	4	6%	6,462
T. Colarelli	-	16	-	-	-	x	5	12°	3,439	
Louis Bellotti	D&RG	75	-	75	-	0	5	5	15%	6,012
S. R. Cochran	-	20	-	-	-	x	5	6	45°	3,133
A. Martinez	-	2	-	-	-	x	2	6	-	183
John Mathews	-	5	-	-	-	x	4	7	4½°	620
W. E. Mays	-	35	-	-	-	x	6	3°	7,642	
A. W. Newcomb	UP	550	358	-	-	0	7	11	-	48,790

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Minerals Dev. Corp. Colo.	Salt Lake City, U.	Oliver #3	Somerset	Gunnison
" " " "	" " " "	Somerset	"	"
Minoletti Brothers	Durango	Minoletti	Same	La Plata
Montez, Manuel H.	Trinidad	Delagua #3 $\frac{1}{2}$	Delagua	Las A.
Morasky Coal & Blocks	Trinidad	Grey Creek #6	Same	"
Morning Glory Coal	Walsenburg	Morning Glory	Same	Huerfano
Moschetti, N. J.	Canon City	Canon Zenith #2	"	Fremont
Nix, Ammon E.	Nucla	Independence	"	Montrose
Osage Coal	Steamboat Spgs.	Osage Strip	"	Routt
Pantazes, Pete	Aguilar	Prosperity #2	"	Las A.
Paonia Farmers Coal	Paonia	Paonia-Farmers	Same	Delta
Partch Brothers	Gunnison	Nu-Mine #1	"	Gunnison
Partch Brothers	"	Nu-Mine #2	"	"
Paterson, Mack R.	Fruita	Hy-Grade	"	Mesa
Peacock Coal	Durango	Peacock	"	La Plata
Peacock Coal	Trinidad	Peacock	Same	Las A.
Peaks Coal	Walsenburg	Peaks	"	Huerfano
Peerless Coal	Durango	Peerless	"	La Plata
Phillips, H. B.	Palisade	Gearhart	"	Mesa
Pikes Peak Fuel	Colorado Spgs.	Pikeview	Pikeview	El Paso
Pinnacle Coal	Hayden	Rice	Same	Routt
Prendergast, F., Sr. - Jr.	New Castle	Rex	"	Garfield
Rapson Coal	Walsenburg	Rapson #2	"	Las A.
Red Ash Coal	Walsenburg	Maitland #1	"	Huerfano
Red Ash Coal	"	Maitland #2	"	"
Red Glow Coal	Aguilar	Red Glow	Same	Las A.
Rex Carbon Fuel	Florence	Rex Carbon	"	Fremont
Rice Pinnacle Coal	Hayden	Rice-Pinnacle	"	Routt
Rifle Coal	Rifle	North Canyon	"	Garfield
Rugby Coal	Trinidad	Rugby #6	La Veta	Huerfano

Superintendent	R. R.	Daily Cap.	OPENINGS				SEAM			TONS
			Shaft	Rock	Rock /	Drift	Ft-In/Pitch %-°			
			Depth	Slope	Tunnel					
			Length							
F. Nyman	D&RG	250	-	-	-	x	7	6%	43,919	
Wm. Luoma	D&RG	750	-	-	-	0	8-9	6%	133,939	
Joe Minoletti	-	20	-	-	-	x	5 6	6%	4,463	
M. H. Montez	-	3	-	-	-	x	5	8 ⁰	521	
J. F. Morasky	-	24	-	-	-	x	3 6	-	5,718	
G. M. Turner	D&RG	175	-	-	-	x	4 6	3 ⁰	16,806	
N. J. Moschetti	-	20	-	-	-	x	3	7%	3,058	
A. E. Nix	-	20	-	-	-	x	4 6	5%	3,220	
T. C. Dewey	D&RG	1,500	S T R I P				8	10%	176,781	
P. Pantazes	-	4	-	-	-	x	2 6	7 ⁰	436	
Fisk & Anglin	-	12	-	-	-	x	8 6	7 ⁰	2,407	
Jos. E. Partch	-	150	-	-	-	x	6	3%	1,768	
Jos. E. Partch	-	150	-	-	-	x	6	3%	20,388	
M.R. Paterson	-	30	-	-	-	x	3 6	15%	3,097	
G. M. Gale	-	24	-	-	-	x	6	3%	6,242	
Eugene L. Lopez	-	6	-	-	-	x	5 2	-	857	
Eloy Montez	-	10	-	-	-	x	2 6	5 ⁰	684	
Everett Bixler	-	9	-	-	-	x	4 6	6%	1,281	
H.B. Phillips	-	38	-	-	-	x	5	12 ⁰	5,587	
Robert Welch	D&RG	250	178	-	-	0	8	6½%	68,687	
C. A. Bowerman	-	50	-	-	-	x	11	10 ⁰	3,132	
F. Prendergast, Sr.	-	20	-	-	-	x	7	52 ⁰	165	
Adam Galli	C&S	40	-	2,200	-	0	5	12%	12,202	
M. J. Judiscak	-	30	-	1,200	-	0	4 6	5%	3,067	
M. J. Judiscak	-	40	-	500	-	0	4 6	5%	3,866	
Wm. H. Smith	-	6	-	-	-	x	4	6 ⁰	450	
J. M. Williams	-	50	-	450	-	0	3 10	12%	13,795	
Louie Ciani	-	30	-	-	-	x	6	17%	1,179	
Ernest A. Haas	-	14	-	-	130	0	8 5	80 ⁰	3,271	
Mike Nicola	-	10	-	-	-	x	3	13 ⁰	1,329	

COMPANY	ADDRESS	MINE	ADDRESS	COUNTY
Russell, W. E. Coal	Denver	Crown	Superior	Boulder
Russell, W. E. Coal	"	Graden	Dacono	Weld
Sarmiento Coal	Florence	Pine Gulch #2	Same	Fremont
Shamrock Coal	Denver	Shamrock	Erie	Weld
Skinner Coal	Walsenburg	Gordon	Same	Huerfano
Smith, A. G.	Gunnison	Baldwin	Same	Gunnison
Smith, Irvin	Hesperus	King	"	La Plata
So. Blk. Diam. C. & Oil	Trinidad	Franklin	Delagua	Las A.
Staples, S. L., Jr.	Gunnison	Ohio Creek #2	Same	Gunnison
States, Welland W.	Cedaredge	Top	"	Delta
Steele Brothers	Fruita	Farmers-Nearing	Same	Mesa
Strainer Coal	Canon City	Canon Wolf Cr. #2	"	Fremont
Sun Coal	Hayden	Sun	"	Routt
Sunlight Coal	Glenwood Spgs.	Sunlight	"	Garfield
Supancic, Louis	Cameo	River View	"	Mesa
Taylor Coal Mng.	Craig	Blue Streak	Same	Rio Blanco
Thompson Crk. C & C Corp.	Denver	Thomp. Crk. #1	Carbondale	Pitkin
Thompson Crk. C & C Corp.	"	Thomp. Crk. #2	"	"
Thompson Crk. C & C Corp.	"	Thomp. Crk. #3	"	"
Thompson Crk. C & C Corp.	"	Thomp. Crk. #4	"	"
Tolley, C. A. & Eileen	New Castle	Harvey Gap	Same	Garfield
Tomahawk Coal	Delta	Tomahawk	"	Delta
Vento Coal	Florence	Vento	"	Fremont
Victory Coal	Durango	Victory #1 & #2	"	La Plata
Vielhauer, Barstow, Aul	Palisade	Blue Flame	"	Mesa
White River Fuel	Vernal, Utah	White River	Rangely	Rio Blanco
Wilson, Glen E.	Cortez	Montezuma #2	Same	Montezuma
Wright Fuel	Hesperus	Wright #1, #2	"	La Plata
Zellitti, F., N., & C.	Durango	Morning Star	"	La Plata

Superintendent	R. R.	Daily Cap.	OPENINGS				SEAM		TONS
			Shaft	Rock	Rock /	Drift	Ft-In/Pitch		
			Depth	Slope	Tunnel				
			Length			% - 0			
Al Seip	-	175	-	238	-	0	7	1-30%	12,557
Al Seip	UP	250	325	-	-	0	6 8	-	13,545
D. E. Sarmiento	-	12	-	-	-	x	3 6	4 ⁰	1,294
F. L. Peart	UP	300	110	-	-	0	10 1	1 ⁰	12,069
Frank Fink, Jr.	D&RG	150	-	-	-	x	4	5 ⁰	10,188
A. G. Smith	-	10	-	-	-	x	6	5 ⁰	1,785
I. A. Smith	-	18	-	-	-	x	6	2 ⁰	4,789
Frank Coke	-	15	-	-	-	x	6	-	1,420
S. L. Staples	-	8	-	-	-	x	5 6	5 ⁰	2,694
W. W. States	-	60	-	-	-	x	6	5 ⁰	3,937
R. Steele	-	7	-	-	-	x	6	5 ⁰	372
A. Strainer, Jr.	-	40	-	-	-	x	6 6	3%	5,803
Tom Barton	-	2	-	-	-	x	5-9	15 ⁰	200
Joe M. Rogers	-	60	-	-	-	x	9 6	43 ⁰	6,353
L. Supancic	-	25	-	-	-	x	6	5 ⁰	4,022
Carl Tesitor	-	100	-	-	-	x	27	8-22%	8,814
Andrew Allen, Jr.	-	250	-	-	-	x	5 8	30 ⁰	59,205
Andrew Allen, Jr.	-	30	-	-	-	x	5 8	32 ⁰	1,143
Andrew Allen, Jr.	-	400	-	-	-	x	9	30 ⁰	32,704
Andrew Allen, Jr.	-	30	-	-	-	x	7	31 ⁰	1,245
C. A. Tolley	-	15	-	-	-	x	6	45 ⁰	1,394
Gene Yellico	D&RG	50	-	1,000	-	0	11	4%	5,246
Tony Vento	-	100	-	-	-	x	6	3 ⁰	24,968
Wm. Gerard	-	75	-	-	-	x	3-6	5%	15,489
W. S. Barstow	-	15	-	-	-	x	5 6	3%	2,312
Robert Staley	-	35	-	-	-	x	8	8%	5,680
G. E. Wilson	-	7	-	-	-	x	4	1 ⁰	1,108
C. L. Wright	-	25	-	600	-	0	5 10	4%	1,472
F. Zellitti, Jr.	-	25	-	-	-	x	5 10	5 ⁰	2,922

REPORT OF PRODUCTION

MEN, DAYS, ACCIDENTS - BY COUNTY - BY MINE

COUNTY MINE	COMPANY OR OPERATOR	No. Men Average	Total Days	TONNAGE	ACCIDENTS	
					Fatal	Non - Fat.
ARCHULETA Bellino Columbine TOTAL - 2	Frank Bellino	2.0	30	93		
	LeRoy R. Crane	1.3	94	260		
		3.3	124	353	-	-
BOULDER Black Diamond #2 Crown Clsd. New Gorham Clsd. TOTAL - 3	Black Diamond Fuel	12.5	144	11, 849		
	W. E. Russell Coal	22.0	93	12, 557		
	Leonard R. Conda	3.0	15	95		
		37.5	252	24, 501	-	-
DELTA Blue Ribbon Green Valley #2 King Paonia-Farmers Red Canon #1 Tomahawk Top TOTAL - 7	Blue Ribbon Coal	2.8	167	4, 370		
	Ira T. Brooks	4.3	207	6, 658		
	Juanita Coal & Coke	21.2	158	25, 922		
	Paonia Farmers Coal	2.8	191	2, 407		
	Lyndon H. Fogg	3.8	198	3, 900		
	Tomahawk Coal	5.8	153	5, 246		
	Welland W. States	4.1	222	3, 937		1
		44.8	1, 296	52, 440	-	1
EL PASO Franceville Strip Pikeview TOTAL - 2	Franceville Coal	2.0	212	4, 797		
	Pikes Peak Fuel	31.8	228	68, 687	1	5
		33.8	440	73, 484	1	5

FREMONT						
Annex	Annex Coal	3.8	205	4,609		
Beer Strip	Beer Coal & Construction	2.0	154	7,380		
Black Knight #2	Black Knight Coal	2.3	244	952		2
Caldirola #2	Caldirola Fuel	5.9	292	7,783		1
Canon Black Diamond	Canon Black Diamond Coal	6.0	234	27,812		3
Canon Chief	Canon Chief Mining	6.8	283	12,709		1
Canon Liberty	Liberty Mining	4.0	209	6,462		
Canon National	Canon National Coal	5.5	272	25,799		
Canon Wolf Creek #2	Strainer Coal	6.9	206	5,803		
Canon Zenith #2	N. J. Moschetti	3.3	253	3,058		1
Cedar Canon	Giuliano & Sons Coal	5.8	234	14,164		1
Chandler #2 Clsd.	Chandler Coal	3.4	61	415		
Chandler Creek Clsd.	Chandler Creek Coal	4.0	72	1,351		
Coal Creek Canon	Coal Creek Canon Mining	4.6	210	8,333		
Corley #6	The Corley Co.	12.9	244	26,296		
Double Dick	Double Dick Coal	6.8	245	13,758		
Golden Quality #3	Golden Quality Coal	4.2	206	4,160		1
L & C #2	C. Lovisone & T. Colarelli	4.8	208	3,439		
Pine Gulch #2	Sarmiento Coal	4.0	176	1,294		
Pine Gulch #3	Canon Monarch Coal	4.2	170	3,551		1
Rex Carbon	Rex Carbon Fuel	6.9	257	13,795		1
Vento	Vento Coal	8.9	234	24,968		
TOTAL - 22		117.0	4,669	217,891	-	12
GARFIELD						
Atlas #3 (New)	Henry Bendetti	1.0	125	23		
Harvey Gap	C. A. & Eileen Tolley	2.3	153	1,394		1
I. H. I. #2	Haas Coal	5.3	242	8,365		1
I. H. I. #3	Haas Coal	4.8	242	9,473		1
Marion-Kilroy	Marion Coal	3.0	283	3,133		
New Castle	W. E. Coles	4.6	64	1,760		
North Canyon	Rifle Coal	3.0	239	3,271		

Continued

COUNTY MINE	COMPANY OR OPERATOR	No. Men Average	Total Days	TONNAGE	ACCIDENTS	
					Fatal	Non-Fat.
<u>GARFIELD Cont.</u>						
Rex	F. Prendergast & Son	4.0	70	165		
Sunlight	Sunlight Coal	6.3	217	6,353		
TOTAL - 9		34.3	1,635	33,937	-	3
<u>GUNNISON</u>						
Baldwin (New)	A. G. Smith	2.8	200	1,785		
Bear	Bear Coal	48.5	137	54,976		
Black Beauty	Ellis Coal	7.1	210	10,836		2
Edwards	Clark Coal	9.9	127	12,757		
Hawk's Nest	Champion Coal Mining	25.1	166	44,862		
Hinkle	Hinkle Coal	2.0	157	758		
Nu-Mine #1	Partch Brothers	10.5	31	1,768		
Nu-Mine #2	Partch Brothers	12.7	229	20,388		
Ohio Creek #2	S. L. Staples, Jr.	2.8	234	2,694		
Oliver #3	Minerals Dev. Corp. -Colo.	26.0	43	9,689		3
Oliver #3	Minerals Development Corp.	26.3	143	34,230		1
Somerset	Minerals Dev. Corp. -Colo.	73.9	40	24,809		1
Somerset	Minerals Development Corp.	74.0	177	109,130		7
TOTAL - 11		321.6	1,894	328,682	-	
<u>HUERFANO</u>						
Black Beauty	Black Beauty Coal	3.0	112	1,315		1
Blue Blaze	Blue Blaze Coal	4.3	97	1,928		
Caddell #2	Aztec Fuel	2.0	98	583		1
Delcarbon	Delcarbon Coal	21.6	169	16,847		1
Gordon	Skinner Coal	6.6	224	10,188		1
Leader #2	Leader Coal	3.3	212	2,239		
Maitland #1	Red Ash Coal	4.3	162	3,067		
Maitland #2	Red Ash Coal	6.2	188	3,866		1

Major #2	Major Coal	4.0	220	6,012	
Morning Glory	Morning Glory Coal	13.0	202	16,806	2
Peaks	Peaks Coal	2.0	172	684	
Rugby #6	Rugby Coal	4.0	181	1,329	1
TOTAL - 12		74.3	2,037	64,864	6
JACKSON					
Marr	Geo. M. Barnell	3.0	127	922	2
Marr Strip	Geo. M. Barnell	4.0	77	1,329	
TOTAL - 2		7.0	204	2,251	2
LA PLATA					
Blue Flame	Vernon Cason	2.8	263	2,661	
Burnwell #2	William E. Mays	4.7	199	7,642	2
Cherry Creek	A. Cardenas & G. Prado	2.0	56	43	
Coal King #2	J. B. Henderson	1.6	144	1,077	
Hay Gulch #2	Hay Gulch Coal	2.5	229	2,215	
King	Irvin A. Smith	2.9	271	4,789	
Minoletti	Minoletti Brothers	4.3	160	4,463	
Morning Star	F. Jr., N. & C. Zellitti	2.4	205	2,922	
Peacock	Peacock Coal	4.1	275	6,242	
Peerless	Peerless Coal	1.8	143	1,281	
Victory #1 & #2	Victory Coal	12.0	258	15,489	1
Wright #1	Wright Fuel	2.6	45	757	
Wright #2	"	2.3	40	715	
TOTAL - 14		46.0	2,288	50,296	3
LAS ANIMAS					
Aguilar-Imperial	Aguilar Imperial Coal	4.0	162	3,268	
Allen(E. & W. Portal)	C. F. & I. Corp.	441.0	204	568,720	12
Anchor #2 (Eureka)	Joe M. & Della Garcia	1.5	30	80	
Baldy #1 Clsd.	Baldy Coal	8.0	222	6,884	2
Berwind Canon	Berwind Canon Coal	3.2	104	1,074	
Bisulco	Alex Bisulco	2.3	25	73	
Brodhead #2	Brodhead Coal	4.8	228	2,830	1

Continued

COUNTY MINE	COMPANY OR OPERATOR	No. Men Average	Total Days	TONNAGE	ACCIDENTS	
					Fatal	Non-Fat.
LAS ANIMAS Cont.						
Burro Canyon #3	Leo Franklin	3.0	31	94		
Delagua #3½	Manuel H. Montez	2.5	153	521		
Engleville	Guadagnoli Brothers	2.9	204	2,894		
Franklin	So. Black Diamond Coal & Oil	3.0	151	1,420		
Frederick	C. F. & I. Corp.	567.0	203	352,795		2
Gem	Guiliano Coal	4.1	230	2,395		
Grey Creek #6	Morasky Coal & Blocks	5.8	239	5,718		
Lovato #2	Berwind Mining	2.0	40	233		
Martinez	Albert Martinez	1.3	86	183		
Morley	C. F. & I Corp.	178.0	204	146,654		5
Peacock	Peacock Coal	1.8	166	857		
Prosperity #2	Pete Pantazes	2.0	244	436		
Rainbow Clsd.	Franklin & Son	2.0	30	17		
Rapson #2	Rapson Coal	8.0	272	12,202		
Red Glow	Red Glow Coal	2.8	119	450		
Starkville #4	A. Iuppa Coal	2.9	150	1,061		
Starkville #7	Nick Cimino	3.2	93	460		
TOTALS - 24		1,257.1	3,590	1,111,319	-	22
MESA						
Blue Flame	R. Vielhower, W. Barstow, V. Aul	2.3	197	2,312		
Cameo	Kerr Coal	12.8	220	27,937		
Farmers-Nearing	Steele Brothers	2.0	75	372		
Gearhart	Homer B. Phillips	9.3	206	5,587		
Hidden Treasure	Ernest Hicks	3.8	159	2,119		
Hunter	Claude O. Halcumb	2.1	94	867		
Hy-Grade	Mack R. Paterson	4.2	159	3,097		
McGinley	Eagle Head Coal	3.5	222	2,879		

River View	Louis Supancic	4.3	169	4,022	
Winger	Clarke Coal	2.1	95	836	
TOTAL - 10		46.4	1,596	50,028	-
MOFFAT					
Red Wing	Colowyo Coal	29.4	162	100,556	
TOTAL - 1		29.4	162	100,556	-
MONTEZUMA					
Montezuma #2	Glen E. Wilson	2.7	168	1,108	
TOTAL - 1		2.7	168	1,108	-
MONTROSE					
Independence	Ammon E. Nix	3.3	230	3,220	
TOTAL - 1		3.3	230	3,220	-
PITKIN					
Thompson Creek #1	Thompson Creek C.&CokeCorp.	53.0	243	59,205	1
Thompson Creek #2	" " "	4.0	75	1,143	
Thompson Creek #3	" " "	14.3	245	32,704	1
Thompson Creek #4	" " "	3.7	79	1,245	
TOTAL - 4		75.0	642	94,297	1
RIO BLANCO					
Blue Streak	Taylor Coal Mining	4.3	152	8,814	
Rienau	Jenkins & Mathis Coal	2.8	224	5,553	1
White River	White River Fuel	4.2	172	5,680	
TOTAL - 3		11.3	548	20,047	-
ROUTT					
Apex	Boscia Coal	1.4	120	614	
Babson	Babson Coal	1.6	54	132	
Commander Strip #1	The Commander Mines	3.0	48	1,041	
Commander Strip #3	" " "	17.0	28	2,714	
Crow Bar	Dry Creek Coal	18.8	168	30,115	1
Edna Strip	Edna Coal	42.6	123	162,863	3
Harris	Colorado & Utah Coal	80.3	131	97,006	4

Continued

COUNTY MINE	COMPANY OR OPERATOR	No. Men Average	Total Days	TONNAGE	ACCIDENTS	
					Fatal	Non-Fat.
<u>ROUTT</u> Cont.						
Johnnie's	John Mathews	1.4	196	620		
(Keystone (2 mo.))	Dunn Coal	53.0	35	11,866		1
(Keystone (5 mo.))	Keystone Mining Corp.	57.4	86	32,684		
Moffat B Strip	Dunn Coal	14.0	8	1,995		
Osage Strip	Osage Coal	34.3	137	176,781	2	1
Rice Cldd.	Pinnacle Coal	9.0	41	3,132		
Rice-Pinnacle (New)	Rice-Pinnacle Coal	13.0	30	1,179		
Sun	Sun Coal	1.0	100	200		
TOTAL - 13		347.7	1,305	522,942	5	10
<u>SAN MIGUEL</u>						
Keck-Reliance	W. R. Keck	1.0	68	56		
TOTAL - 1		1.0	68	56	-	-
<u>WELD</u>						
Boulder Val. #3-Baum	Boulder Valley Coal	58.5	162	76,291		1
Eagle	Imperial Coal	83.5	204	227,921		
Graden Cldd.	W. E. Russell Coal	26.3	59	13,545		1
Imperial	Imperial Coal	31.0	40	17,411		1
Lincoln	Clayton Coal	27.5	159	57,433		
Shamrock	Shamrock Coal	5.0	81	12,069		
Sterling	McNeil Coal Corp.	34.5	152	48,790		1
Washington	Clayton Coal	74.6	214	160,758		4
TOTAL - 8		340.9	1,071	614,218	-	8
GRAND TOTALS		2,834.4	24,219	3,366,490	8	85

COAL PRODUCTION FROM 1873 THROUGH 1955

<u>Year</u>	<u>Tonnage</u>	<u>Year</u>	<u>Tonnage</u>	<u>Year</u>	<u>Tonnage</u>
1873	69,977	1900	5,495,734	1928	9,921,585
1874	87,372	1901	6,021,405	1929	9,934,064
1875	95,838	1902	7,522,923	1930	8,238,094
1876	117,666	1903	7,775,302	1931	6,604,063
1877	160,000	1904	6,776,551	1932	6,616,525
1878	200,630	1905	8,989,631	1933	5,284,872
1879	322,732	1906	10,308,421	1934	5,251,003
1880	375,000	1907	10,965,640	1935	5,953,601
1881	706,744	1908	9,773,007	1936	6,868,801
1882	1,161,479	1909	10,722,490	1937	7,222,092
1883	1,220,593	1910	12,104,887	1938	5,730,291
1884	1,130,024	1911	10,197,595	1939	6,002,125
1885	1,398,796	1912	11,016,948	1940	6,673,359
1886	1,436,211	1913	9,268,939	1941	7,008,037
1887	1,791,735	1914	8,201,423	1942	8,131,764
1888	2,185,477	1915	8,715,397	1943	8,372,683
1889	2,400,629	1916	10,522,185	1944	8,202,401
1890	3,075,781	1917	12,515,305	1945	7,656,612
1891	3,512,632	1918	12,658,055	1946	5,928,823
1892	3,771,234	1919	10,406,543	1947	6,381,016
1893	3,947,056	1920	12,514,693	1948	5,682,512
1894	3,021,028	1921	9,141,947	1949	4,578,170
1895	3,339,495	1922	10,003,610	1950	4,274,887
1896	3,371,633	1923	10,336,735	1951	4,111,945
1897	3,565,660	1924	10,501,088	1952	3,643,523
1898	4,174,037	1925	10,440,387	1953	3,598,867
1899	4,826,939	1926	10,616,760	1954	2,922,365
		1927	9,781,580	1955	3,366,490

COAL SHIPMENT AND DISPOSAL

COUNTY	RAILROAD	TRUCK	POWER & HEAT	OUT OF STATE	CHEM. TREATED
Archuleta		353			
Boulder	1,302	23,139	60		1,794
Delta	24,086	27,713	641	2,989	2,070
El Paso	5,577	53,421	14,486		30,000
Fremont	11,487	206,344	60	6,736	
Garfield		33,930	7		800
Gunnison	255,757	57,902	15,023	156,243	41,863
Huerfano	23,529	41,335		3,965	3,408
Jackson		2,251			
La Plata	10,361	39,903	32		
Las Animas	1,066,069	34,119	11,131	314	
Mesa	11,687	38,137	204		3,689
Moffat	87,458	13,098		39,364	40,695
Montezuma		1,108			
Montrose		3,215	5		
Pitkin	94,297			94,297	
Rio Blanco	4,500	15,547		7,544	8,851
Routt	478,115	41,899	2,928	162,762	76,615
San Miguel		50	6		
Weld	345,938	263,454	4,826	600	30,136
TOTALS	2,420,163	896,918	49,409	474,814	239,921

SIZES, GRADES, BY COUNTY

MINE RUN	LUMP	EGG	OTHER GRADES	NUT	PEA	SLACK
93	201				38	21
	1,859	7,394		1,712	2,538	10,998
5,690	15,433		1,451	8,759	320	20,787
5,647	2,481	13,986		12,516		38,854
113,248	23,281	45	1,890	12,906	4,460	62,061
2,053	2,225		1,319	354		27,986
170,110	39,571	511	1,898	14,827		101,765
172	14,057	11,636	1,411	6,621	141	30,826
	2,251					
24,672	7,883	49	12	231	370	17,079
16,445	8,325	1,018	46	3,818	1,062,839	18,828
2,383	5,944		1	3,117	375	38,208
	20,696	14,607			65,253	
	509		120			479
1,573	1,121			128		398
94,297						
	4,611	1,559	2,226	2,239	2,216	7,196
26,823	67,427	56,486	41,726	46,317	74,229	209,934
56						
	47,823	99,325		11,524	21,141	434,405
463,262	265,698	206,616	52,100	125,069	1,233,920	1,019,825

Your attention is called to the splendid
work by the State Multigraph Department
in the printing of this Annual Report.

MECHANICAL LOADING

COUNTY	Shaker Type	MECHANICAL LOADERS							Small Portable Conveyors	TONS OF COAL TOTALLY LOADED BY MECHANICAL DEVICES (None or very little hand labor)
		Chain Conveyors		Mainline		Mobile		Power Shovel		
		Short Face	Room Length	Belt	Chain	Track	Caterpillar			
Archuleta										
Boulder	8		1							11,849
Delta	2					2				28,261
El Paso	1						3			68,687
Fremont	20	4	8	1	2		5		2	138,942
Garfield	1	2					1			1,760
Gunnison	16			4	1		8			284,813
Huerfano	11			4	1					18,609
Jackson										
La Plata	3									
Las Animas	44		5	7	3		7	1		568,720
Mesa	13	1								33,153
Moffat	2						1			100,556
Montezuma										
Montrose										
Pitkin	5	1			1				1	6,000
Rio Blanco	3	2	1				5			20,047
Routt	35		2		2					171,026
San Miguel										
Weld	12			1			16			434,426
TOTALS	176	10	17	17	10	2	46	1	3	1,886,849

COLORADO - 1955

TONS OF COAL HAND LOADED ONTO MECHANICAL DEVICES	MINING MACHINERY							TOTAL TONNAGE
	Undercutting	Electric Shearing	Combination Undercutting and Electric Shearing	Electric Drills	Compressed Air Cutting Machines	Compressed Air Drills	Continuous Miners	
Arch.				1				353
Bldr. 12,652	9			10				24,501
Delta 7,277	6		2	9		2		52,440
El P.	4			6				73,484
Fre. 63,520	35			37				217,891
Gar. 3,271	1			15				33,937
Gun. 40,417	31		2	33				328,682
Huer. 20,232	32			17				64,864
Jack.				1				2,251
La P. 21,731	12			9				50,296
Las A. 41,413	44		5	33		85		1,111,319
Mesa 12,757	21			17				50,028
Mof.	3			5				100,556
Montz.								1,108
Montr.	1			2				3,220
Pitkin 9,000	1			19				94,297
R. Bl.	5			8				20,047
Routt 5,902	42			44		1		522,942
S. Mig.	1							56
Weld 13,545	48	1	1	66			5	614,218
Tot. 251,717	296	1	10	332		88	5	3,366,490

Continuous Miners, Weld County only - 166,247

FATAL ACCIDENTS

Date	Name	Mine	County	Cause	Occupation	Age	Exp.
2-14	C. C. James	Thomp. Crk. #1	Pitkin	Roof fall	Miner	45	1
2-23	Marco Perich	Edna Strip	Routt	Haulage RR	Car dropper	61	3
3-1	Sam Rego	Rugby #6	Huerf.	Roof fall	Miner	54	30
3-14	M. D. Mahaffey	Crow Bar	Routt	Roof fall	Loader	48	30
3-16	M. Dellacrose	Pikeview	El. P.	Roof fall	Loader	43	25
7-25	S. Zacharyasz	Crow Bar	Routt	Roof fall	Foreman	67	42
9-17	L. H. Gordon	Osage Strip	Routt	Machinery	Oiler	45	20
10-23	A. Winograsky	Osage Strip	Routt	Haulage RR	Car dropper	45	3

NOT CHARGED TO THE INDUSTRY

9-19	C. Anderson	Crow Bar	Routt	Heart attk.	Hoistman	59	30
10-18	R. J. Leimatta	Keystone	Routt	Heart attk.	Timberman	56	35

FIVE YEAR COMPARISON

NON-FATALS

FATALS

1951	1952	1953	1954	1955	Causes of Injury	1951	1952	1953	1954	1955
47	28	27	17	10	Falls of roof	2	3	2	3	5
19	16	12	5	4	Fall of face or rib	1				
11	11	7	7	15	Falling objects					
10	9	4	3	5	Falls of persons					
21	20	9	19	6	Handling materials					
11	11	10	4	6	Hand tools					
2	1	3	2	4	Striking vs objects					
34	29	21	11	15	Haulage	1	1	1		
			2		Explosion of gas					
1	4	2	3		Explosives					
4	1	2	4	2	Electricity					
29	14	17	7	13	Machinery		1			1
6	8	6	1	3	Jack pipes					
1	2	1		1	R. R. cars					2
1	3		1	1	Others					
197	157	121	86	85	Totals	4	5	3	3	8

ACCIDENT STATISTICS

	Fatalities		Non-Fatals	
	1954	1955	1954	1955
Fatalities	3	8		
Non-fatals/Compensable			86	85
Per 1,000 employed	1.04	2.82	29.88	29.99
Men employed per injury	959	354.3	33.47	33.34
Tonnage per injury	974,122	420,811	33,980.9	39,605.7
Per million tons	1.02	2.37	29.42	25.24
Dependents; Widows	3	6		
Children	11	10		

Successful Candidates in Examination for Coal Mine Officials
June, 1955

MINE FOREMAN

Allan, Andrew, Jr.
Baumli, Jake Harry
Betz, C. A.
Bowie, William K.
Fink, Frank M., Jr.
Givens, George A.
Hayden, Hurley Jack
Hicks, Jene E.
Lindsey, Glenn V.
Ludvik, James
McAfee, Max E.
Pavlisick, Martin J.
Rice, Oscar T.
Shelnutt, Thomas E.
Todd, Ernest R.
Vento, Dominick
Williams, John T., Jr.
Williams, Robert R., Jr.
Yellico, Frank



ASSISTANT MINE FOREMAN

Fink, Jack *
Lutz, Willard C. *
Martinez, Joe V. *
Meggison, William E.
Smith, Wendell H.

FIRE BOSS

Baughman, Luther *
Downing, Lawrence *
Dussart, Louis *
Lasnik, Edward
Sparks, Clifford P.
Torres, Frank L.
Yellico, Domenic

STRIP PIT OFFICIALS

Dewey, Thornton C. *	Oldfield, Earl L.
Hair, Robert L.	Williams, Herschel
Husler, William T.	Williams, Robert R., Jr.
MacPherson, John	

* Held for 1st Aid training and/or Fire Boss experience.

BOARD OF EXAMINERS FOR COAL MINE OFFICIALS

Fred W. Whiteside, E.M., 356 Lafayette Street, Denver
Henry A. Coll, Glenwood Springs
Tony Guadagnoli, 19 East 2nd Street, Colorado Springs
Otto Serroni, 633 - 3rd Avenue, Durango



THE

PROGRESS OF

THE

ARTS AND

MANUFACTURES

IN

THE

UNITED STATES

OF AMERICA

FROM

1790 TO 1860

BY

JOHN R. KELLOGG

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JOHN R. KELLOGG, 100 NASSAU ST.

1860

